

Docket No.
ARC 2604R1

Declaration and Power of Attorney For Patent Application

English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Osmotic Delivery System, Osmotic Delivery System Semipermeable Body Assembly, and Method for Controlling Delivery Rate of Beneficial Agents from Osmotic Delivery Systems

the specification of which

(check one)

☒ is attached hereto.

☐ was filed on _____ as United States Application No. or PCT International Application Number _____ and was amended on _____

(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

(Number)

(Country)

(Day/Month/Year Filed)

☐

(Number)

(Country)

(Day/Month/Year Filed)

☐

(Number)

(Country)

(Day/Month/Year Filed)

☐

60/053,689	7/25/97
(Application Serial No.)	(Filing Date)
(Application Serial No.)	(Filing Date)
(Application Serial No.)	(Filing Date)

(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
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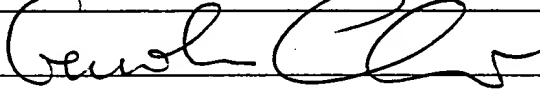
Patent and Trademark Office-U.S. DEPARTMENT OF COMMERCE

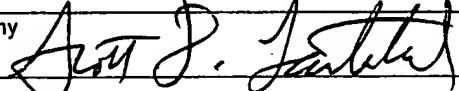
POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. *(list name and registration number)*

Michael J. Rafa	Registration No. 38, 740
Paul L. Sabatine	Registration No. 22, 539
D. Byron Miller	Registration No. 30, 661
Steve F. Stone	Registration No. 20, 246
Pauline Ann Clarke	Registration No. 29,783

Send Correspondence to: **ALZA Corporation**
Intellectual Property Dept.
950 Page Mill Road
Palo Alto, CA 94303-0802

Direct Telephone Calls to: *(name and telephone number)*
Pauline Ann Clarke (650) 494-5560

Full name of sole or first inventor Guohua Chen		6/25/98
Sole or first inventor's signature		Date
Residence Sunnyvale, CA USA		
Citizenship Chinese		
Post Office Address 399 Sunset Avenue		
Sunnyvale, California 94086		

Full name of second inventor, if any Scott D. Lautenbach		6/25/98
Second inventor's signature		Date
Residence San Mateo, CA USA		
Citizenship USA		
Post Office Address 466 23rd Street		
San Mateo CA 94403		

Full name of third inventor, if any
Keith E. Dionne

Third inventor's signature

Date

Residence

Cambridge, MA USA

Citizenship

Post Office Address

4 Hancock Park

Cambridge MA 02139

Full name of fourth inventor, if any
Scott D. Jordan

Fourth inventor's signature

Scott Jordan

Date

6/26/98

Residence

Davis, CA USA

Citizenship

US

Post Office Address

522 J Street

Davis CA 95616

Full name of fifth inventor, if any
Steve A. Berry

Fifth inventor's signature

Steve A. Berry

Date

6/25/98

Residence

Hollister, CA USA

Citizenship

US

Post Office Address

1050 Spring Grove Road

Hollistr, CA 95023

Full name of sixth inventor, if any
Craig I. Rodenberger

Sixth inventor's signature

Craig Rodenberger

Date

6/25/98

Residence

San Jose, CA USA

Citizenship

U.S.

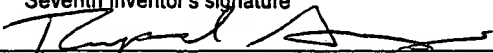
Post Office Address

2449 Shibley Avenue

San Jose, CA 95125

Full name of seventh inventor, if any
Rupal Ayer

Seventh inventor's signature



Date

6/25/98

Residence

Santa Clara, CA USA

Citizenship

US

Post Office Address

3131 Homestead Road, #14 M

Santa Clara, CA 95051

Full name of eighth inventor, if

Eighth inventor's signature

Date

Residence

Citizenship

Post Office Address

Full name of ninth inventor, if any

Ninth inventor's signature

Date

Residence

Citizenship

Post Office Address

Full name of tenth inventor, if any

Tenth inventor's signature

Date

Residence

Citizenship

Post Office Address

Docket No.
ARC 2604R1

Declaration and Power of Attorney For Patent Application

English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Osmotic Delivery System, Osmotic Delivery System Semipermeable Body Assembly, and Method for Controlling Delivery Rate of Beneficial Agents from Osmotic Delivery Systems

the specification of which

(check one)

☒ is attached hereto.

☐ was filed on _____ as United States Application No. or PCT International Application Number _____ and was amended on _____ (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

(Number)

(Country)

(Day/Month/Year Filed)

☐

(Number)

(Country)

(Day/Month/Year Filed)

☐

(Number)

(Country)

(Day/Month/Year Filed)

☐

I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

60/053,689

7/25/97

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

I hereby claim the benefit under 35 U. S. C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, C. F. R., Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. *(list name and registration number)*

Michael J. Rafa	Registration No. 38, 740
Paul L. Sabatine	Registration No. 22, 539
D. Byron Miller	Registration No. 30, 661
Steve F. Stone	Registration No. 20, 246
Pauline Ann Clarke	Registration No. 29,783

Send Correspondence to: **ALZA Corporation**
Intellectual Property Dept.
950 Page Mill Road
Palo Alto, CA 94303-0802

Direct Telephone Calls to: *(name and telephone number)*
Pauline Ann Clarke (650) 494-5560

Full name of sole or first inventor Guohua Chen	
Sole or first inventor's signature	Date
Residence Sunnyvale, CA USA	
Citizenship	
Post Office Address 399 Sunset Avenue	
Sunnyvale, California 94086	

Full name of second inventor, if any Scott D. Lautenbach	
Second inventor's signature	Date
Residence San Mateo, CA USA	
Citizenship	
Post Office Address 466 23rd Street	
San Mateo CA 94403	

Full name of third inventor, if any Keith E. Dionne	
Third inventor's signature <i>Keith E Dionne</i>	Date <i>7/10/98</i>
Residence Cambridge, MA USA	
Citizenship	
Post Office Address 4 Hancock Park	
Cambridge MA 02139	

Full name of fourth inventor, if any Scott D. Jordan	
Fourth inventor's signature	Date
Residence Davis, CA USA	
Citizenship	
Post Office Address 522 J Street	
Davis CA 95616	

Full name of fifth inventor, if any Steve A. Berry	
Fifth inventor's signature	Date
Residence Hollister, CA USA	
Citizenship	
Post Office Address 1050 Spring Grove Road	
Hollistr, CA 95023	

Full name of sixth inventor, if any Craig I. Rodenberger	
Sixth inventor's signature	Date
Residence San Jose, CA USA	
Citizenship	
Post Office Address 2449 Shibley Avenue	
San Jose, CA 95125	

Full name of seventh inventor, if any
Rupal Ayer

Seventh inventor's signature

Date

Residence
Santa Clara, CA USA

Citizenship

Post Office Address
3131 Homestead Road, #14 M

Santa Clara, CA 95051

Full name of eighth inventor, if

Eighth inventor's signature

Date

Residence

Citizenship

Post Office Address

Full name of ninth inventor, if any

Ninth inventor's signature

Date

Residence

Citizenship

Post Office Address

Full name of tenth inventor, if any

Tenth inventor's signature

Date

Residence

Citizenship

Post Office Address

100-330-3000

ASSIGNMENT (JOINT)

WHEREAS, we, Guohua Chen, Keith E. Dionne, Scott D. Lautenbach, Scott Jordan, Steve A. Berry, Craig I. Rodenberger and Rupal Ayer have made certain new and useful inventions in Osmotic Delivery System, Osmotic Delivery System Semipermeable Body Assembly, and Method for Controlling Delivery Rate of Beneficial gents from Osmotic Delivery System, set forth in an application for Letters Patent of the United States, ☐ which is a provisional application filed herewith; ☒ which is a non-provisional application filed herewith; ☐ bearing Application No. , and filed on ; and

WE HEREBY AUTHORIZE AND REQUEST our attorney, Pauline Ann Clarke, of ALZA Corporation, or the Director of Intellectual Property, Steve F. Stone, ALZA Corporation, in her absence.

WHEREAS, ALZA Corporation (hereinafter referred to as "ALZA"), a corporation of Delaware, is desirous of acquiring the entire right, title and interest in and to the said inventions; the right to file applications on said inventions; and the entire right, title and interest in and to any applications, including provisional applications, for Letters Patent of the United States or other countries claiming priority to said applications; in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon; and any rights of priority of said inventions, applications and patents.

NOW, THEREFORE, for one Dollar (\$1.00) and other valuable consideration, receipt of which is hereby acknowledged, we have agreed to and do hereby:

SELL, ASSIGN, TRANSFER AND SET OVER unto ALZA, its successors, legal representatives and assigns our entire right, title and interest in and to the above-mentioned inventions, the right to file applications on said inventions, and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, including provisional applications, divisions, continuations, and continuations-in-part of said applications, renewals, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, to the full end of the term or terms for which Letters Patent or Patents may be granted, including any rights of priority of said inventions, applications and patents; together with all claims for damages or other relief throughout the world by reason of misappropriation or other wrongful use or disposition of said invention, or infringement of said patents or patent applications, including the right to sue for, obtain, enforce and enjoy, in its own name, any and all remedies that may be available;

TO BE HELD AND ENJOYED by ALZA, its successors, assigns and legal representatives as fully and entirely as the same would have been held and enjoyed by us had this sale, assignment and transfer not been made; and

WE HEREBY COVENANT AND AGREE for ourselves and our heirs, executors and legal representatives, to assist ALZA, its successors, assigns and legal representatives in the prosecution of said applications, and in any reissue, reexamination, interference or other legal or administrative proceeding, which may arise involving said invention, said patent applications, or said patents, and to execute without further consideration, upon request by ALZA, its successors, assigns, or legal representatives all divisional, continuing, reissue, term extension or other applications for patents in any country, as well as such other documents that may be used to fully secure to ALZA, its successors, assigns and legal representatives the rights, titles and interests granted herein; and

WE HEREBY AUTHORIZE AND REQUEST the Commissioner of Patents and Trademarks of the United States of America to issue any and all United States patents which may be granted upon said United States applications or any part of them, or upon said inventions or any part thereof, to ALZA Corporation.

IN WITNESS WHEREOF, We have each hereunto set our hands.

Guohua Chen this 25 day of June 1998; and
Guohua Chen

Keith E. Dionne this _____ day of _____ 1998; and
Scott D. Lautenbach this 25 day of JUNE 1998, and
Scott D. Lautenbach

Scott Jordan this 26 day of June 1998; and
Scott Jordan

Steve A. Berry this 25 day of June 1998; and

Steve A. Berry
Craig I. Rodenberger this 25 day of June 1998; and
Craig I. Rodenberger

Rupal Ayer this 25 day of June 1998; and

_____ this _____ day of _____ 1998;

respectively.

1. The first step is to identify the problem or goal. This involves understanding the current situation and what needs to be achieved.

ASSIGNMENT (JOINT)

WHEREAS, we, Guohua Chen, Keith E. Dionne, Scott D. Lautenbach, Scott Jordan, Steve A. Berry, Craig I. Rodenberger and Rupal Ayer have made certain new and useful inventions in Osmotic Delivery System, Osmotic Delivery System Semipermeable Body Assembly, and Method for Controlling Delivery Rate of Beneficial gents from Osmotic Delivery System, set forth in an application for Letters Patent of the United States, ☐ which is a provisional application filed herewith; ☒ which is a non-provisional application filed herewith; ☐ bearing Application No. _____, and filed on _____; and

WE HEREBY AUTHORIZE AND REQUEST our attorney, Pauline Ann Clarke, of ALZA Corporation, or the Director of Intellectual Property, Steve F. Stone, ALZA Corporation, in her absence.

WHEREAS, ALZA Corporation (hereinafter referred to as "ALZA"), a corporation of Delaware, is desirous of acquiring the entire right, title and interest in and to the said inventions; the right to file applications on said inventions; and the entire right, title and interest in and to any applications, including provisional applications, for Letters Patent of the United States or other countries claiming priority to said applications; in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon; and any rights of priority of said inventions, applications and patents.

NOW, THEREFORE, for one Dollar (\$1.00) and other valuable consideration, receipt of which is hereby acknowledged, we have agreed to and do hereby:

SELL, ASSIGN, TRANSFER AND SET OVER unto ALZA, its successors, legal representatives and assigns our entire right, title and interest in and to the above-mentioned inventions, the right to file applications on said inventions, and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, including provisional applications, divisions, continuations, and continuations-in-part of said applications, renewals, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, to the full end of the term or terms for which Letters Patent or Patents may be granted, including any rights of priority of said inventions, applications and patents; together with all claims for damages or other relief throughout the world by reason of misappropriation or other wrongful use or disposition of said invention, or infringement of said patents or patent applications, including the right to sue for, obtain, enforce and enjoy, in its own name, any and all remedies that may be available;

TO BE HELD AND ENJOYED by ALZA, its successors, assigns and legal representatives as fully and entirely as the same would have been held and enjoyed by us had this sale, assignment and transfer not been made; and

WE HEREBY COVENANT AND AGREE for ourselves and our heirs, executors and legal representatives, to assist ALZA, its successors, assigns and legal representatives in the prosecution of said applications, and in any reissue, reexamination, interference or other legal or administrative proceeding, which may arise involving said invention, said patent applications, or said patents, and to execute without further consideration, upon request by ALZA, its successors, assigns, or legal representatives all divisional, continuing, reissue, term extension or other applications for patents in any country, as well as such other documents that may be used to fully secure to ALZA, its successors, assigns and legal representatives the rights, titles and interests granted herein; and

WE HEREBY AUTHORIZE AND REQUEST the Commissioner of Patents and Trademarks of the United States of America to issue any and all United States patents which may be granted upon said United States applications or any part of them, or upon said inventions or any part thereof, to ALZA Corporation.

IN WITNESS WHEREOF, We have each hereunto set our hands.

_____ this _____ day of _____ 1998; and
Guohua Chen

Keith E. Dionne this 10 day of July 1998; and
Keith E. Dionne

_____ this _____ day of _____ 1998, and
Scott D. Lautenbach

_____ this _____ day of _____ 1998; and
 Scott Jordan

_____ this _____ day of _____ 1998; and
Steve A. Berry

_____ this _____ day of _____ 1998; and
Craig I. Rodenberger

_____ this _____ day of _____ 1998; and
Rupal Ayer

_____ this _____ day of _____ 1998;

respectively.

The first part of the paper is devoted to the study of the asymptotic behavior of the solutions of the system (1.1) as $t \rightarrow \infty$. It is shown that the solutions of the system (1.1) are bounded and tend to zero as $t \rightarrow \infty$. The second part of the paper is devoted to the study of the asymptotic behavior of the solutions of the system (1.1) as $t \rightarrow 0$. It is shown that the solutions of the system (1.1) are bounded and tend to zero as $t \rightarrow 0$.

RECORDATION FORM COVER SHEET
PATENTS ONLY

Attorney's Docket No. 000950-084

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Guohua Chen, Keith E. Dionne, Scott D. Lautenbach,
Scott D. Jordan, Steve A. Berry, Craig I. Rodenberger
and Rupal Ayer

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name

Other: _____

Execution Date: June 25, 1998, July 10, 1998, June 25,
1998, June 26, 1998, June 25, 1998, June 25, 1998 and
July 25, 1998

2. Name and address of receiving party(ies):

Name: ALZA Corporation

Address: 950 Page Mill Road

P.O. Box 10950

Palo Alto, CA 94303-0802

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: June 25, 1998, June 25, 1998,
July 10, 1998, June 26, 1998, June 25, 1998, June 25, 1998 and June 25, 1998

A. Patent Application No.(s)

Unassigned

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: ALZA Corporation

Address: 950 Page Mill Road

P.O. Box 10950

Palo Alto, CA 94303-0802

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

☒ Enclosed

☐ Authorized to be charged to deposit account, if necessary

8. Deposit account number:

02-4800

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Jeffrey A. Pade, Reg. No. P42,970
Name of Person Signing


Signature

July 24, 1998
Date

Total number of pages including cover sheet, attachments, and document: 5

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231